



## Memorandum

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**To:** Provost and Chief Academic Officers

**From:** Paula Compton, Associate Vice Chancellor, Articulation and Transfer

**CC:** Reza Akhtar, Mathematics TAG Panel Lead

**Date:** February 24, 2023

**Subject:** Updates to the Mathematics Transfer Assurance Guide (TAG) Course Learning Outcomes

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### Background

The Ohio Articulation and Transfer Network (OATN) sent a request to the Mathematics Transfer Assurance Guide (TAG) faculty review panel lead and members to determine if revisions were needed for the following courses:

- **OMT018- Calculus III**
- **OMT019- Elementary Linear Algebra**
- **OMT020- Elementary Differential Equations**

With the Mathematics TAG courses scheduled for learning outcome review, upon examination of current course learning outcomes it was recommended by the TAG review panel that several minor updates were required for each of the three courses.

Please share this memo and the attachment with appropriate faculty and administrators at your institution who manage/teach Mathematics TAG courses.

### Outline of Revisions:

#### **OMT018- Calculus III**

- Revision to MAA/CUPM: update to curriculum date.
- Learning outcomes #17, #18, and #19: breakout of Green's Theorem, Divergence (Gauss's) Theorem, and Stokes' Theorem. Revisions are clarification-based.

#### **OMT019- Elementary Linear Algebra**

- Revision to MAA/CUPM: update to curriculum date
- Revision to Prerequisite: a minimum of Calculus I is now recommended rather than Calculus I & II or Calculus III.

- Revision to Linear Algebra Curriculum Study Group Recommendations: update to curriculum topics and date
- Learning outcomes #3, #5, #6, #7, #8, #9, and #10: revisions are clarification-based.

#### **OMT020- Elementary Differential Equations**

- Revision to MAA/CUPM: update to curriculum date
- Learning outcomes #2 and #9: revisions are clarification-based.

#### **Implications to Your Mathematics TAG Courses:**

The spirit of the previous learning outcomes continues to be implemented however, with minor clarifications. With these updates the TAG panel recommends that institutions with courses already approved will not be required to resubmit for additional validation. The updated learning outcomes will be used for any new submissions beginning with the Fall 2023 TAG review cycle.

If you have any questions, please contact Jessi Spencer at [jspencer@highered.ohio.gov](mailto:jspencer@highered.ohio.gov) or 614-728-4706, or Michelle Blaney at [mblaney@highered.ohio.gov](mailto:mblaney@highered.ohio.gov) or 614-644-9601.

Attachments (3)